



UNITED STATES PATENT AND TRADEMARK OFFICE  
(Attorney Docket No. 11520US03)

2663  
#5

In the Application of:

**DANIEL J. MARCHOK et al.**

Serial No.: 09/659,194

Filed: September 11, 2000

For: **MULTI-POINT OFDM/DMT  
DIGITAL COMMUNICATIONS  
SYSTEM INCLUDING REMOTE  
SERVICE UNIT WITH  
IMPROVED TRANSMITTER  
ARCHITECTURE**

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, D.C. 20231 on December 11, 2000.

By: Ronald E. Larson  
Ronald E. Larson  
Reg. No. 24,478

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DEC 18 2000

Technology Center 2600

TRANSMITTAL OF  
INFORMATION DISCLOSURE STATEMENT  
AFTER APPLICATION FILING DATE

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

**ENCLOSURES**

Enclosed are the following:

An Information Disclosure Statement and a completed PTO form 1449 (modified).

A copy of each printed or patented reference listed in the enclosed form 1449 and not previously provided to or by the PTO in this application. Twenty (20) references are enclosed.

**FEE DETERMINATION**

No fee is believed to be due because:

This statement and enclosures are being filed three months or less after the application was filed.

## **FEE PAYMENT**

The following arrangements have been made to pay the fees calculated above:

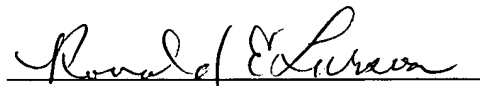
No fee is believed to be due.

The Commissioner is hereby authorized to charge any additional fees which are presently required, or credit any overpayment, to Deposit Account No. 13-0017.

## **REQUEST FOR CONSIDERATION**

This paper and enclosures are believed to be entitled to consideration under 37 C.F.R. § 1.97, based on the facts stated above. The Examiner is requested to initial both copies of the enclosed PTO-1449 (modified) and return one copy to the applicant(s) to indicate consideration of the enclosed references.

Respectfully submitted,



Ronald E. Larson  
Registration No. 24,478  
Attorney for Applicant

December 11, 2000

Date

MCANDREWS, HELD & MALLOY, LTD.  
500 W. Madison, 34th Floor  
Chicago, IL 60661  
Telephone: (312) 775-8000  
Facsimile: (312) 775-8100



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By: Ronald E. Larson  
Ronald E. Larson  
Reg. No. 24,478

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington DC 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, it is respectfully requested that the following references be considered in the examination of the above-identified patent application:

U.S. PATENT NO.	NAME	DATE
4,300,229	Hirosaki	11/10/81
4,425,665	Stauffer	1/10/84
4,535,472	Tomcik	8/13/85
4,731,816	Hughes-Hartogs	3/15/88
4,980,897	Decker et al.	12/25/90
5,285,474	Chow et al.	2/8/94
5,416,767	Koppelaar et al.	5/16/95
5,479,447	Chow et al.	12/26/95
5,524,001	Beaudry et al.	6/4/96
5,539,777	Grube et al.	7/23/96
5,621,730	Kelley	4/15/97
5,625,651	Cioffi	4/29/97
5,682,376	Hayashino et al.	10/28/97
5,694,389	Seki et al.	12/2/97

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U.S. PATENT NO.	NAME	DATE
5,732,068	Takahashi et al.	3/24/98
5,790,516	Gudmundson et al.	8/4/98
5,796,820	Sasada	8/18/98
6,002,722	Wu	12/14/99
6,028,891	Ribner et al.	2/22/00

"The Optus Vision: Telephony, Internet and Video," Australian Communications, (August 1996) pp. 61 et seq.

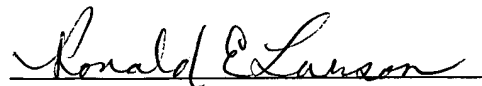
The above-identified reference(s) are listed on the attached PTO Form 1449, and copies are also enclosed herewith.

This submission is in no way intended as an admission that the above-cited references constitute prior art under any subsection of 35 U.S.C. § 102. Applicant expressly retains the right to take any actions necessary to remove the above-cited references from the available prior art.

Consideration of the above-identified references in the examination of the present patent application is respectfully requested.

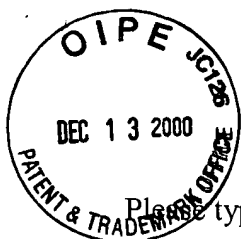
The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Account No. 13-0017.

Respectfully submitted,



Ronald E. Larson  
Registration No. 24,478  
Attorney for Applicant

Date: December 11, 2000  
MCANDREWS, HELD & MALLOY, LTD.  
500 W. Madison, 34th Floor  
Chicago, IL 60661  
Telephone: (312) 775-8000 Fax: (312) 775-8100



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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

1449A/PTO  
Rev. 10/95U.S. Department of Commerce  
Patent and Trademark Office

Complete if Known

LIST OF PRIOR ART CITED BY  
APPLICANT

(use as many sheets as necessary)

Application Number	09/659,194
Filing Date	9/11/00
First Named Inventor	Daniel J. Marchok
Group Art Unit	<del>2663</del> 2665
Examiner Name	

Attorney Docket Number 11520US03

Sheet 1

Of 1

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
PN	A	4,300,229		Hirosaki	11/10/81
	B	4,425,665		Stauffer	1/10/84
	C	4,535,472		Tomcik	8/13/85
	D	4,731,816		Hughes-Hartogs	5/15/88
	E	4,980,897		Decker et al.	12/25/90
	F	5,285,474		Chow et al.	2/8/94
	G	5,416,767		Koppelaar et al.	5/16/95
	H	5,479,447		Chow et al.	12/26/95
	I	5,524,001		Beaudry et al.	6/4/96
	J	5,539,777		Grube et al.	7/23/96
	K	5,621,730		Kelley	4/15/97
	L	5,625,651		Cioffi	4/29/97
	M	5,682,376		Hayashino et al.	10/28/97
	N	5,694,389		Seki et al.	12/2/97
	O	5,732,068		Takahashi et al.	3/24/98
	P	5,790,516		Gudmundson et al.	8/4/98
	Q	5,796,820		Sasada	8/18/98
	R	6,002,722		Wu	12/14/99
PN	S	6,028,891		Ribner et al.	2/22/00

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Office <sup>3</sup>	Foreign Patent Document		Name of Patentee or Applicant of cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
			Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	A						
	B						

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, country, where published, source.	T <sup>2</sup>
PN	1	"The Optus Vision: Telephony, Internet and Video," Australian Communications, (August 1996) pp. 61 et seq.	
Examiner Signature	P Chan		Date Considered 12.02.03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation  
not in conformance and not considered. Include copy of this form with next communication to applicant.

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